

AMERICAN PRO

TRUSTING RESULTS

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AMERICAN PRO develops & improves products constantly.
For this reason, the specifications and consigned information in the present
user manual can be modified without notice.

TECshow

Beamer



Read the user manual before turning on the product.

TECshow

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- Troubleshooting

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Specification

- Voltage : AC100V-240V
- Frequency : 50/60Hz
- Power Consumption: 260W
- Halogen lamp: 2R 132W
- Shutter : 1-10t/s
- Control Mode : DMX512/ Sound Active/ Auto/ Master-Slave/ Manual Control
- Channel : 11/ 14CH(switchable)
- Gobo wheel: 8 gobo + 7 different size circular hole
- Color wheel: 13 + open
- Color temperature: 8000K
- Effect wheel: 8 facet prism
- Scan: Pan 630°, Tilt 235°
- Beam Angle: 0°~2.5°
- Stock: Clean and Dry Place
- Safety Protection The power will cut automatically when the machine is over heated or there is some problem of the system
- Machine Size: 430*247*338 mm
- Machine Weight: 12 kg

11 Channel Mode

Channel	Function	Specification
CH1	X	0-255 0°-630°
CH2	Y	0-255 0°-235°
CH3	dimmer	0-255 from dark to bright
CH4	strobe	1-50 lamp on ;51-240 strobe from slow to fast; 241-255 lamp on
CH5	gobo	0-4 white; 5-9 gobo 1; 10-14 gobo 2; 15-19 gobo 3; 20-24 gobo 4; 25-29 gobo 5,30-34 gobo 6;35-39 gobo 7; 40-44 gobo 8; 45-49 gobo 9; 50-54 gobo 10; 55-59 gobo 11; 60-64 gobo 12; 65-69 gobo 13; 70-74 gobo 14, 75-84 gobo 14 shake; 85-94 gobo 13 shake; 95-104 gobo 12 shake; 105-114 gobo 11 shake; 115-124 gobo 10 shake; 125-134 gobo 9 shake; 135-144 gobo 8 shake; 145-154 gobo 7 shake; 155-164 gobo 6 shake; 165-174 gobo 5 shake; 175-184 gobo 4 shake; 185-194 gobo 3 shake; 195-204 gobo 2 shake; 205-214 gobo 1 shake; 215-255 gobo flow from slow to fast.
CH6	Color	0-9 white , 10-19 red , 20-29 yellow , 30-39blue , 40-49 green 50-59 orange , 60-69 Magenta , 70-79pink , 80-89light blue , 90-99light yellow , 100-109dark blue,110-119olivine , 120-129 CTB , 130-139 CTO,140-255 color rainbow effect
CH7	Prism	0-127 N/A 128-255 8-facet prism
CH8	Prism self-rotating	0-106 clockwise rotating from slow to fast,107-255 anti-clockwise from slow to fast
CH9	Focusing	0-255
CH10	Lamp on/off	0-99 N/A 100-105 Lamp off (interval 3 seconds) 106-199 N/A 200-205 Lamp on (interval 3 seconds) 206-255 N/A
CH11	Reset	0-254 N/A 255 (interval 3 seconds) Reset


SECTION 1. GETTING STARTED

Unpacking

- 1pc fixture(lamp installed)
- 1pc User Manual
- 1pc Power Cable
- 1pc Signal Cable
- 2pc Fast-lock Omega Clamp (1/4 turn)

Thanks for choosing **TECSHOW by American Pro**. Carefully unpack the box and check the contents to ensure that all parts are present and in good conditions. If anything damaged during transit, notify the shipper immediately and keep the packing material for inspection. Again, please save the carton and all packing materials. If the fixture must be returned to manufacturer, it is important that the fixture be returned in the original manufacturer box and packing.

Safety Instructions



For your safe, please read this user manual carefully before operation.

This machine should be operated by qualified engineer !

- Please conserve this manual as operation guidance. If you sell this product to other user, please make sure that they also receive this user manual.
- Always make sure that you are connecting to the proper voltage and the line voltage not higher than stated on the decal or rear panel of the fixture.
- This fixture is intended to indoor use only. To prevent risk of fire or shock, do not expose fixture to rain or moisture. Make sure there are no flammable, explosive or corrosive materials surrounded in 5 meters while operating.
- The unit must be installed in a location with adequate ventilation, at least 5m away from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Fixture may carry high heat, do not aim at objective exceeding 2 minutes.
- Safe wire should be used to install machine. Bearing of safe wire should be 3 times of the machine weight.

- Always disconnect from the power source before servicing or replacing fuse/lamp and be sure to replace with same fuse/lamp size and type. Cut off power before moving, repairing and cleaning the machine.

- To avoid electric shock, all fixtures must be connected to circuits with a suitable ground.
- Always secure fixture using a safety chain and carrying handles. Never carry the fixture by its cord.
- Do not operate at ambient temperatures higher than 35°C.
- In case of failure or misfunction occurred, stop using the unit immediately. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Buy the same spare parts/components from manufacturer directly.
- Make sure the power cord is never crimped or damaged.
- Avoid direct eye exposure to the light source while it is on.
- Do not power on and power off the fixture in a short time. After power off the unit, Lamp should be cool down for 10 minutes before restart.

- When use DMX controller, please make sure that there is no interference sources (e.g. intercom, high frequency radio waves and radiation source.
- Lamp and lens of this unit should be used together. And accessory damaged should be replaced by professional worker or engineer.
- Lamp should be used within lifespan scope. When the lamp used approach lifespan, please exchange with new one. Or lamp explode may occur.

Caution

This unit requires working environment temperature between 0°~35°, fixture surface temperature will be 40°~70°.

There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself. If exceptional problem happen, please contact related after-sale department or manufacturer.

Any damage that caused by violating this manual is out of insurance, our company will not take the responsibility.

SECTION 2. SET UP

Installation

- This machine should be mounted through the screw holes of truss. Safety wire is a must to fix fixture well. Make sure truss and safety wire have strong load capacity to bear 3 times weight than fixture at least.
- This machine should be installed by qualified technician.

Remark: ※Always press ENTER to next class menu and save your settings; return last menu class, press MENU. LCD is dark automatically if no operation on panel within 30 seconds.

Master and slave model

Set one of the unit as master, choose auto-running function on the menu. Set other units as slave, press MENU button to DMX address setting state. Connect master and slave with signal cable. Then all slave units will run follow the master.

DMX Channel

14 Channel Mode		
Channel	Function	Specification
CH1	X	0-255 0 °-630 °
CH2	Y	0-255 0 °-235 °
CH3	X16bit	0-255
CH4	Y16bit	0-255
CH5	X、Y speed	0-255 from fast to slow
CH6	dimmer	0-255 from dark to bright
CH7	strobe	1-50 lamp on 51-240 strobe from slow to fast; 241-255 lamp on
CH8	gobo	0-255
CH9	color	0-255
CH10	prism	0-127 stay the same; 128-255 8 facet prism
CH11	Prism rotate	0-106 clockwise rotate, from slow to fast; 107-180 anticlockwise rotate, from slow to fast; 181-255 prism self-rotate and shake, from slow to fast
CH12	focus	0-255
CH13	Lamp control	0-99 stay the same; 100-105 lamp off (stop 3 seconds) 106-199 stay the same; 200-205 lamp on (stop 3 seconds) ; 206-255 stay the same
CH14	reset	0-254 stay the same 255 (stay 3 seconds reset)

Connect 3 pin XLR signal cable with female connector to transfer signal to next unit

11. Switch

Power on/power off

12. Power Input

Connect power cable to obtain power.

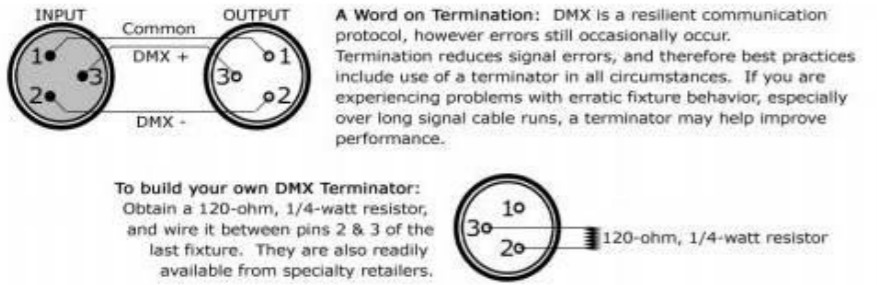
13. Fuse

Protect machine from electrical short

Machine Connection

Cable Connectors

Cables must have a male XLR connector on one end and a female XLR connector on the other end. (Duh!)



Complimentary signal cable can transmit signals to 20 unit fixtures at most. Signal amplifier is a must to connect more fixtures

SECTION 3. TROUBLESHOOTING

Troubleshooting

Problem	Probable cause(s)	Remedy
No response from fixture when power is applies	No power to fixture	Check power cables
	Primary fuse blown	Replace fuse
	Secondary fuse blown	Replace fuse
Fixture resets but does not respond correctly to controller(DMX mode operation)	Controller not connected	Connect controller
	Incorrect addressing of the fixtures	Check address setting on fixture and controller
	Bad data link connection	Inspect cables and correct poor connections and/or broken cables.
	Conflict between tracking and vector control	Eliminate scene cross-fade on controller
	Data link not terminated	Insert termination plug in output of last fixture
	Defective fixture or 2 devices transmitting on link	Bypass fixtures one at a time until normal operation is regained:unplug both connectors and connect them directly together
Colors cannot be mixed	Random color mixing is on	Turn off random color mixing
Fixture does not reset correctly	Electronic or mechanical failure	Contact service technician
No light, lamp cuts out intermittently,or burns out too quickly	Lamp missing or blown	Disconnect fixture and replace lamp
	Fixture or lamp is too hot	Allow fixture to cool. If problem persists,contact service technician

SECTION 4. REFERENCE

Control Menu

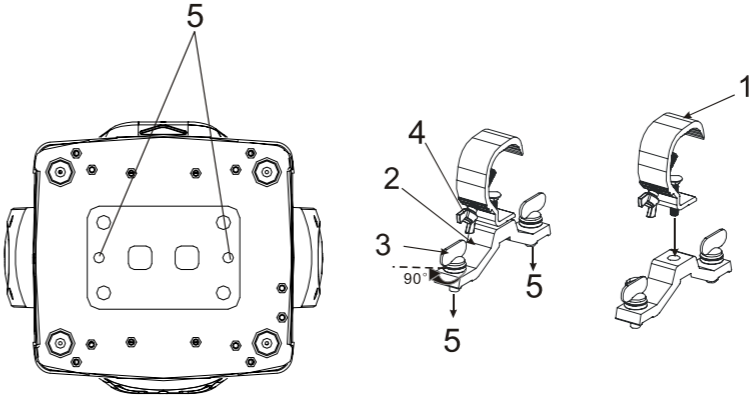
MENU

UP

DOWN

ENTER

MENU	Address	ENTER	UP/DOWN→ENTER	
	Control	ENTER	UP/DOWN to choose 11CH/14CH→ENTER	
	Option	ENTER →UP/ DOWN	DMX Reset	ENTER→UP/DOWN→Yes/No(Yes=DMX reset;No=Cannot DMX reset)→ENTER
			Pan	ENTER→UP/DOWN→Yes/No(Yes = Pan Anti-clockwise rotate; No=clockwise) → ENTER
			Tilt	ENTER→UP/DOWN→Yes/No(Yes=Anti -clockwise; No=clockwise) → ENTER
			Color	ENTER→UP/DOWN→Color Step/Color linear (Color step=color jumping change; Color linear = color linear change → ENTER
	Option		Keylock	ENTER→UP/DOWN→Yes/No(Yes =lock,No=unlock)→ENTER
	Manual		CH11/CH14→ENTER;UP/DOWN to adjust Channel→ENTER	
	Test		Test Auto/Test Sound(Test Auto= stand alone,Test Sound= music active)→ENTER	
	Lamp		Yes/No(Yes = Lamp on,No= Lamp off)→ENTER	
	Default		Yes/No(Yes = reset,NO = Current value address)→ENTER	
Reset		Yes/No(Yes = reset,No= N/A)→ENTER		



Controlling Board



- 1. Warning**

5M Minimum distance away from flammable materials. Maximum temperature of the external surface 80°C.
- 2. LCD Display**

Shows menu
- 3. External Lamp Ignited.**

This machine with high voltage sodium lamp unit, needs external igniter.
- 4. Operating Environment**

Maximum operating environment temperature is 35°C, 5m minimum distance away from flammable materials.
- 5. Control Button**

Choose function
- 6. CE Certification**

This unit had obtained CE certification.
- 7. Indoor Used**

This unit is for indoor used, can not bear moist or dusty environment.
- 8. Treatment of Retirement**

This unit can not be dropped to trash can.
- 9. DMX In**

Connect 3 pin XLR signal cable with male connector to obtain signal from other unit or controller
- 10. DMX Out**